

**In the claims:**

1. (Currently Amended) An installation for the treatment and further processing of thermoplastics, comprising
  - an extruder (1), which has
    - a housing (2),
    - at least one screw (5, 5') disposed in the housing (2),
    - an electric motor (6) coupled with the at least one screw (5, 5'), said electric motor having a run-up time  $t_H$  and a deceleration time  $t_B$ , wherein said electric motor is coupled to said screw in a manner to drive said screw when said electric motor is running and
    - at least one metering device (10, 14) with a metering motor (12, 15), said metering motor having a run-up time  $t_H$  and a deceleration time  $t_B$ ;
  - a processing unit (26, 30) directly downstream of the extruder (1), said processing unit having a drive (28), said processing unit having cycle time  $t_T$  and intermittently drivable at a cycle time,
    - ~~which has a drive (28) to be actuated at a cycle time  $t_T$ , and~~
  - a control unit (29), electronically interfaced ~~which is connected~~ with the electric motor (6), that serves for driving of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14), and with the drive (28) of the processing unit (26, 30), and
    - wherein said control unit is configured and interfaced to: control said drive of said processing unit to intermittently operate for said cycle time  $t_T$ , control said electric motor and said metering motor so as to trigger their operation in accordance with the cycle time  $t_T$ , and only trigger the operation of the electric motor and metering motor when a melt strand is ready to be extruded to the processing unit, and  
wherein said metering motor and electric motor have identical run-up and deceleration times, which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time  $t_T$  of the processing unit (26, 30) only when a melt strand (38) is to be extruded to the processing unit (26, 30), and
- ~~wherein the control unit (29) is formed such that the electric motor (6) for driving of the at~~

~~least one screw (5, 5') and the at least one metering motor (12, 15) have identical run-up times  $t_H$ ; and~~

~~wherein the control unit (29) is formed such that the electric motor (6) for driving of the at least one screw (5, 5') and the at least one metering motor (12, 15) have identical deceleration times  $t_B$ .~~

2. (Cancelled)

3. (Cancelled)

4. (Original) An installation according to claim 1, wherein  $t_T \leq 5$  min. applies to the cycle time  $t_T$ .

5. (Original) An installation according to claim 4, wherein  $t_T \leq 2$  min. applies to the cycle time  $t_T$ .

6. (Original) An installation according to claim 5, wherein  $t_T \leq 40$  sec. applies to the cycle time  $t_T$ .

7. (Previously Presented) An installation according to claim 1, wherein the extruder (1) comprises a first metering device (10) and a second metering device (14).

8. (Previously Presented) An installation according to claim 1, wherein the extruder (1) comprises an inlet (16) for rovings (17).

9. (Original) An installation according to claim 1, wherein the processing unit is a plunger-injection molding machine (30).

10. (Withdrawn) An installation according to claim 1, wherein the processing unit is a press (26).

11. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable cutting unit (21) is disposed downstream of the ~~screw-type compounding unit~~ (1).

12. (Withdrawn) An installation according to claim 10, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).

13. (Previously Presented) An installation according to claim 1, wherein the extruder (1) is a twin-screw machine.

14. (Previously Presented) An installation according to claim 1, wherein the extruder (1) is a twin-screw extruder.

15. (Withdrawn) An installation according to claim 11, wherein an intermittently drivable conveying device (23) is disposed upstream of the press (26).

16. (Withdrawn) A method for the operation of an installation for the treatment and further processing of thermoplastics, comprising

- a screw-type compounding unit (1), which has
  - a housing (2),
  - at least one screw (5, 5') disposed in the housing (2),
  - an electric motor (6) coupled with the at least one screw (5, 5'), and
  - at least one metering device (10, 14) with a metering motor (12, 15);
- a processing unit (26, 30) directly downstream of the screw-type compounding unit (1) and intermittently drivable at a cycle time  $t_T$ ,
  - which has a drive (28) to be actuated at a cycle time  $t_T$ , and
- a control unit (29), which is connected with the electric motor (6) that serves for actuation of the at least one screw (5, 5'), with the metering motor (12, 15) of the at least one metering device (10, 14) and with the drive (28) of the processing unit (26, 30), and
  - which is formed for triggering the electric motor (6) and the at least one metering motor (12, 15) by the cycle time  $t_T$  of the processing unit (26, 30),

wherein the electric motor (6) and the at least one metering motor (12, 15) are triggered by the

cycle time  $t_T$  of the processing unit (26, 30).

17. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical run-up times  $t_H$ .

18. (Withdrawn) A method according to claim 16, wherein the electric motor (6) for actuation of the at least one screw (5, 5') and the at least one metering motor (12, 15) are triggered by identical deceleration times  $t_B$ .